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TO: Examiner Jennifer TO (571-272-7212) FAX NUMBER: 571-273-7212
Art Unit 2195

FROM: Aly Dossa

PAGES INCLUDING COVER: 5

RE: Examiner's Amendment for Patent Application No.: 09/759,868

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Examiner To,

Further to the Examiner Interview conducted on May 9, 2006, please find attached a copy of the proposed claim amendments. You are authorized to make changes to the pending claims in accordance with the attached proposed claim amendments. If you have any questions, please do not hesitate to contact me at 408-730-2426 or 713-890-1709.

Best regards,

Aly Dossa
Registration No. L0031

Patent Application No.: 09/759,868 Docket No.: 03226/794001; SUN060201

PROPOSED AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A system to allocate a computing task comprising:

a first distributor server set comprising a first plurality of distributor servers;

a second distributor server set comprising a second plurality of distributor servers, wherein the first distributor server set is interposed between a client and the second distributor server set, wherein each of the second plurality of servers comprises a database, wherein at least one of the databases comprises an attribute associated with at least one of a plurality of application servers and a client attribute, wherein the client attributes corresponds to an attribute of the client;

[[a]] the plurality of application servers, wherein the plurality of application servers [[are]] is operatively connected to the second distributor server set; and

wherein each of the plurality of distributor servers in the first distributor server set is configured to receive the computing task from the client and redirect the computing task to at least one of the plurality of distributor servers in the second distributor server set,

wherein each of the plurality of distributor servers in the second distributor server set includes functionality to select one of the plurality of application servers to use to execute the computing task,

wherein the computing task is received from the client through a first virtual IP box, wherein the first virtual IP box sequentially redirects the computing task received from the client among the first plurality of distributor servers,

wherein one of the plurality of distributor servers in the second distributor server set sends an Internet Protocol (IP) address to the selected one of plurality of application servers, and

wherein the one of the plurality of application servers is selected using an attribute of the computing task and an attribute associated with at least one of the plurality of application servers,

wherein the client can directly communicate with the selected one of the plurality of application servers using the IP address.

2. – 4. (Cancelled)

5. (Previously Presented) The system of claim 1, wherein the attribute associated with the at least one of the plurality of application servers is load capacity.

6. (Previously Presented) The system of claim 1, wherein the attribute associated with the at least one of the plurality of application servers is type of application residing on the at least one of the plurality of application servers.

7. (Previously Presented) The system of claim 1, wherein the attribute associated with the at least one of the plurality of application servers is idle computing power.

8. (Previously Presented) The system of claim 1, wherein the attribute associated with the at least one of the plurality of application servers is computing power.

9. – 10. (Cancelled)

11. (Previously Presented) The system of claim 1, wherein each of the plurality of servers in the second distributor server set comprising a database, wherein the database comprises the attribute associated with at least one of the plurality of application servers.

12. (Previously Presented) The system of claim 11, wherein the database is dynamically updated with a current value of the attribute associated with at least one of the plurality of application servers.

13. (Previously Presented) The system of claim 11, wherein the database further comprises a client attribute, wherein the user attributes corresponds to an attribute of the client.

14. (Previously Presented) The system of claim 11, wherein the database further comprises a computing task attribute, wherein the computing task attribute is associated with the computing task.

15. (Currently Amended) A method for dynamic allocation of a computing task comprising:

receiving a computing task by one of a plurality of distributor servers in a first distributor server set from a client, wherein the computing task is received from the client through a first virtual IP box, wherein the first virtual IP box sequentially

redirects the computing task received from the client among the plurality of distributor servers in the first distributor server set;

redirecting the computing task to one of a plurality of distributor servers in a second distributor server set from the one of the plurality of distributor servers in the first distributor server set, wherein each of the plurality of servers in the second distributor server set comprises a database, wherein at least one of the databases comprises an attribute associated with at least one of a plurality of application servers and a client attribute, wherein the client attributes corresponds to an attribute of the client;

selecting, by the one of the plurality of distributor servers in the second distributor server set, one of [[a]] the plurality of application servers to service the computing task using an attribute of the computing task and [[an]] the attribute associated with at least one of the plurality of application servers; and

forwarding an Internet Protocol (IP) address of the selected one of the plurality of application servers to the client,

wherein the client can directly communicate with the selected one of the plurality of application servers using the IP address.

16. (Cancelled)

17. (Previously Presented) The method of claim 15, wherein the database is dynamically updated with a current value of the attribute associated with at least one of the plurality of application servers.

18. – 32. (Cancelled)

33. (Currently Amended) The system of claim [[31]] 1, wherein the computing task is received from one of the plurality of distributor servers in the second distributor server set through a second virtual IP box, wherein the second virtual IP box sequentially redirects the computing task received by the one of the plurality of distributor servers in the first distributor server set among the plurality of distributor servers in the second distributor server set.

34. (Previously Presented) The system of claim 11, wherein functionality to select one of the plurality of application servers to use to execute the computing task comprises functionality to:

query the database to determine the presence of an application server comprising an application required to service the computing task, wherein the application server corresponds to one of the plurality of application servers.

35. (Cancelled)

36. (Currently Amended) The method of claim [[35]] 15, wherein the database is dynamically updated with a current value of the attribute associated with at least one of the plurality of application servers.

37. (Currently Amended) The method of claim [[35]] 15, wherein the database is updated where response to a triggering event.

38. (Currently Amended) The method of claim [[35]] 15, wherein the database is updated periodically.

39. (Currently Amended) The method of claim [[35]] 15, wherein the database is updated using a broadcast message.

40. (Cancelled)

41. (Currently Amended) The method of claim [[35]] 15, wherein the database further comprises a computing task attribute, wherein the computing task attribute is associated with the computing task.